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Moder the Paperwork Reduction Act of 1995, no pers	ons are required to res	pond to a collection of inform Application Number	ation unless it displays a valid OMB control number. 10/664,513
TRANSMITT	ΔΙ	Filing Date	September 16, 2003
FORM		First Named Inventor	Marc K. HELLERSTEIN
(to be used for all correspondence after	initial filing	Art Unit	1655
(to be used for all correspondence after	<i>a)</i>		P. Martin
Total Number of Pages in This Submiss	ion 6+ 5 refs	Attorney Docket Numb	416272003700
EN	CLOSURES	(Check all that app	oly)
Fee Transmittal Form, in duplicate for fee processing (2 pages)80	Drawing(s)		After Allowance Communication to Group
Fee Attached	Licensing-rel	ated Papers	Appeal Communication to Board of Appeals and Interferences
Amendment/Reply	Petition		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
After Final	Petition to Co		Proprietary Information
Affidavits/declaration(s)	Power of Attorney, Revocation Change of Correspondence Address		Status Letter
Extension of Time Request	Terminal Disclaimer		Other Enclosure(s) (please identify below):
Express Abandonment Request	Request for Refund		One copy of 5 Cited References
x Information Disclosure Statement w/ Form PTO/SB/08a/b (5 pages)	CD, Number of CD(s)		Return Receipt Postcard
Certified Copy of Priority Document(s)			
Response to Missing Parts/ Incomplete Application	Remarks		
Response to Missing Parts under 37 CFR 1.52 or 1.53			
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Firm MORRISON & FOEl Michael R. Ward - 3		Customer No. 20872	2)
Signature Michael	Perlem	l	
Signature Michael Date June 9, 2006	_		

No. EV 809052024 US, in an envelope address 1450, on the date shown below.	deposited with the U.S. Postal Service with sufficient postage as Express Mail Airbill d to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-

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			-		First Na	med Inv	entor	Marc K. HELL	ERSTEIN	l
<u> </u>	<u></u>	or FY 2005)		Examine	r Name		P. Martin		
Ш	x Applicant claim	s small entity status	. See 37 CFR	1.27	Art Unit			1655		
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Nam		ael R. Ward						Date 6/2	1/06	
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airlbill No. EV 809052024 US, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA

2313-1450, on the date shown below.

Dated June 9, 2006

Signature: V(1) 110 (Ala(Valerie Cohen)

Patent Docket No. 416272003700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Marc K. HELLERSTEIN

Serial No.: 10/664,513

Filing Date: September 16, 2003

For: BIOCHEMICAL METHODS FOR

MEASURING METABOLIC FITNESS OF TISSUES OR WHOLE ORGANISMS Examiner: P. C. Martin

Group Art Unit: 1655

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS AF Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

06/13/2006 WASFAW1 00000038 031952 10664513 01 FC:1806 180.00 DA

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the non-patent literature documents are submitted herewith, except as noted below. The Examiner is requested to make these documents of record.

Non-patent literature Documents numbered 2, 6, 7, and 8, on the attached Form PTO/SB/08a/b were cited in a Supplementary Partial European Search Report mailed on March 9, 2006, directed to related European application no. 03713429.3, filed February 12, 2003 and have not been previously cited, accordingly copies are submitted herewith. Documents numbered 3, 4, and 5 on the attached Form PTO/SB/08a/b were also cited in the Supplementary Search Report, but were previously cited in an information disclosure statement submitted January 27, 2004, for the current application, and so, copies of the documents are not submitted herewith. A copy of the

Application No. 10/664,513

Filed September 16, 2003

Supplemental Information Disclosure Statement

Supplementary Search Report is submitted herewith. Since document numbered 7 on the attached Form PTO/SB/08a/b contains an English summary, and the Supplementary Search Report in which it is cited is in English, the requirement for a concise explanation of relevance for non-English language information should be fulfilled.

2

The documents listed on the attached Form PTO/SB/08a/b were cited in a Supplementary Partial European Search Report mailed on March 9, 2006, directed to a counterpart international or foreign application and have not been previously cited except as noted above. A certification under 37 C.F.R. § 1.97(e)(1) follows:

I hereby certify that items 1, 2, 6, 7, and 8, on the attached Form PTO/SB/08a/b were first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

This Supplemental Information Disclosure Statement is submitted:

With the application; accordingly, no fee or separate requirements are required.
Before the mailing of a first Office Action after the filing of a Request for Continued
Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97
(e)(1) has been provided.
Within three months of the application filing date or before mailing of a first Office Action
on the merits; accordingly, no fee or separate requirements are required. However, if
applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
After receipt of a first Office Action on the merits but before mailing of a final Office Action
or Notice of Allowance.
A fee is required. A check in the amount of __ is enclosed.
A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to
this submission in duplicate.
A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is

believed to be due.

Application No. 10/664,513 Filed September 16, 2003

3

Supplem	nental Information Disclosure Statement After mailing of a final Office Action or Notice of Allowance, but before payment of the				
	issue 1	fee.			
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the			
		amount of is enclosed.			
	\boxtimes	A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee			
		Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)			

Applicant would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicant petitions for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 416272003700.

Dated: June 9, 2006

Respectfully submitted,

Michael R. Ward

Registration No.: 38,651

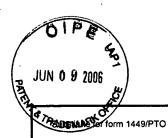
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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

1

	Complete if Known				
Application Number	10/664,513				
Filing Date	September 16, 2003				
First Named Inventor	Marc K. HELLERSTEIN				
Art Unit	1655				
Examiner Name	P. C. Martin				
Attorney Docket Number	416272003700				

	U.S. PATENT DOCUMENTS				
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	1.	US-6,329,208	12-11-2001	Jones et al.	

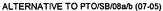
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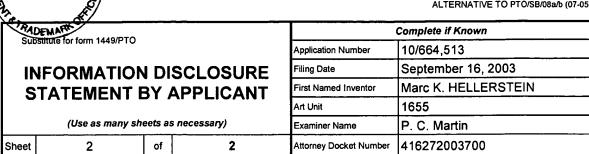
	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	2.	GUO, Z.K. et al., (2000) "De novo lipogenesis in adipose tissue of lean and obese women: application of deuterated water and isotope ratio mass spectrometry," International Journal of Obesity, 24: 932-937	
	3.	HELLERSTEIN, Marc K. et al. (1986) "Glycoconjugates as Noninvasive Probes of Intrahepatic Metabolism: Pathways of Glucose Entry into Compartmentalized Hepatic UDP-glucose Pools during Glycogen Accumulation." Proceedings of the National Academy of Sciences of the United States of America 83, Issue 18: 7044-7048	
	4.	HELLERSTEIN, Marc K. et al. (1997) "Measurement of Hepatic Ra UDP-glucose in Vivo in Rats: Relation to Glycogen Deposition and Labeling Patterns" Am. J. Physiol. 272: E155-E162	
	5.	HELLERSTEIN, Marc K. et al. (1999) "Mass Isotopomer Distribution Analysis at Eight Years: Theoretical, Analytic, and Experimental Considerations. Am. J. Physiol. 276: E1146-E1170	
	6.	HELLERSTEIN, Marc K. (2004) "New stable isotope-mass spectrometric techniques for measuring fluxes through intact metabolic pathways in mammalian systems: introduction of moving pictures into functional genomics and biochemical phenotyping," Metabolic Engineering, 6: 85-100	
	7.	MORSCHES, Bernhard (1976) "Tierexperimentelle Untersuchungen uber die Beziehungen zwischen der Hydroxyprolinausscheidung im Urin und den Hydroxyprolinfraktionen im Serum," Der Hautarzt, 27:	

Examiner		Date	
Signature	 	Considered	





	234-242	
8.	RAVICHANDRAN, L.V. et al., (June 1991) "In vivo labeling studies on	
	the biosynthesis and degradation of collagen in experimental myocardial infarction," Biochemistry Journal, 24(3): 405-414	
9.	Supplementary Partial European Search Report mailed March 9, 2006, for European patent application no. EP 03713429.3, filed February 12, 2003, 6 pages	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.